



13 APR 1967

MEMORANDUM FOR: Director, National Security Agency

SUBJECT: Key Generator for Clandestine Use

1. This Agency has had a requirement for the development of a key generator for clandestine use for several years. During this interim there have been numerous discussions between representatives of our two Agencies in an attempt to resolve this problem. One factor which has prevented the solution has been the lack of effective micro-miniaturization techniques. We believe that the state-of-the-art in micro-miniaturization now has progressed to the point where quantity production of reliable modules can be obtained at a reasonable cost. I understand that you have developed, on paper, the logic for linear sequence key generators that would provide sufficient security for our intended usage. If the foregoing is correct, we would like to have you delegate to this Agency the authority to produce cryptographic devices suitable for inclusion in agent communications systems, using cryptographic logic approved and provided by your Agency.

2. The long-standing need for a modern cryptographic capability in support of clandestine activities, new opportunities opening up for us, and the lead time required for such a project combine to place a sense of urgency on this project.

Rufus Taylor
Vice Admiral, U.S. Navy
Deputy Director

Originator

Director of Communications

708 14 10 55 AM '67

APR 14 10 22 AM '67

Distribution:

- & 1 - Addr
- 1 - ER
- 1 - LDCI
- 1 - DCJ
- 2 - DD/S
- 1 - SPINT
- 1 - FI/D
- 1 - chrono
- 1 - chrono/RMC

Chrono, Subject